Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/05/2021 09:23 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123857	-1	2.00	123709	2.05
Blue	F	SSC	125000	123965	-1	3.76	124185	3.72
Blue	E	FITC	14400	13849	-4	2.95	317	15.74
Blue	D	PE	24713	24224	-2	2.37	553	10.91
Blue	B	PerCP-Cy5-5	31796	31131	-3	3.82	1030	14.97
Blue	A	PE-Cy7	21240	21166	-1	5.92	563	28.84
Red	C	APC	41319	40635	-2	3.34	1698	11.40
Red	A	APC-Cy7	21019	20321	-4	3.60	761	11.56
Violet	B	V450	7305	7162	-2	4.04	444	12.20
Violet	A	V500	28652	27912	-3	3.64	699	9.87

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23009	2.22	569	0	N/A	N/A	Pass
Blue	F	SSC	57634	2.25	521	9	N/A	N/A	Pass
Blue	E	FITC	57	54.24	494	3	0.0399	37	Pass
Blue	D	PE	115	37.97	492	5	0.4291	341	Pass
Blue	B	PerCP-Cy5-5	189	35.14	588	4	0.0186	0	Pass
Blue	A	PE-Cy7	112	68.57	635	5	0.0230	7	Pass
Red	C	APC	393	23.29	574	1	0.0281	123	Pass
Red	A	APC-Cy7	171	26.77	543	-2	0.0065	881	Pass
Violet	B	V450	63	59.82	450	-6	0.0657	2340	Pass
Violet	A	V500	99	34.59	463	-7	0.0272	954	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.01	-31.94	1.11
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.41
Red	20.90	15.99 - 23.99	N/A	N/A	30.47	30.54	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9690

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments